Index of Claims

| _ | Application No. | Applicant(s) |
|---|-----------------|--------------|
|   | 09/618,955      | TU ET AL.    |
|   | Examiner        | Art Unit     |
|   | Nabil M El-Hady | 2154         |

| <b>√</b> | Rejected |
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| (Through numeral)<br>Cancelled |
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| Restricted                     |

| N | Non-Elected  |
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| - | Interference |

| A | Appeal   |
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| Final    | Original   | 12/21/54   | -        |          | :        |  |          |              |              |          |
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| <b>—</b> | -  | 7  | -        | -        | $\vdash$ | -  | -        | -            | -            | -        |
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|          | 3  | 11   | -        | H        | -        | -  | H        | H            | H            | Н        |
|          | 4  | 11-  | <u> </u> | _        | <u> </u> | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | Н        |
| <u> </u> | _5_  | 11   | _        | _        | <u> </u> | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | Щ        |
|          | 1<br>2<br>3<br>4<br>5<br>6<br>7                    | Ц  | ┡        | _        | L        | <u> </u>   | L        | Ļ            | <u> </u>     | Ш        |
| $\perp$  |  | Ц  | _        |          | _        | _  | <u> </u> | _            | _            | Ш        |
|          | 8  | Ш  | _        |          | _        | _  | _        | _            | _            | Ш        |
|          | 9  | 主  | _        |          | _        |  | L        |              | _            | Ш        |
|          | 10<br>11   | _  | _        | _        | _        |  | _        | <u> </u>     | _            | Ш        |
| oxdot    | 11   | ∟  | <u> </u> | <u> </u> | L_       | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | Щ        |
| L        | 12   |  |          |          |          |  | <u> </u> | L            | L_           |          |
| <u> </u> | 13   | _  | <u> </u> | <u> </u> | <u> </u> | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | Ш        |
| <u> </u> | 14   | L_   | L_       | _        | L        | L  | <u> </u> | <u> </u>     | <u> </u>     | Ш        |
|          | 15   |  | <u> </u> | <u> </u> | L.       | L  | <u> </u> | <u> </u>     | <u> </u>     | Ш        |
| <u> </u> | 13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 | <u> </u>   | <u> </u> | <u> </u> | <u> </u> | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | Щ        |
| ļ        | 17   | _  |          | <u> </u> | <u> </u> |  | <u> </u> | <u> </u>     | _            | Щ        |
|          | 18   | _  | _        |          |          | _  | _        | ļ            | ļ            |          |
|          | 19   | _  | <u> </u> |          | L        | _  |          | <u> </u>     |              | Щ        |
| <u> </u> | 20   |  | ┡        | _        | ļ        | ļ  | _        | <u> </u>     | _            | Щ        |
|          | 21   | _  | <u> </u> | _        | _        | <u> </u>   | <u> </u> | <u> </u>     |              | Ш        |
|          | 22   | ļ  | <u> </u> |          | _        | -  |          | _            | _            | Щ        |
|          | 23   | _  |          |          | ⊢        | ├  | ┡        | <u> </u>     | _            |          |
|          | 22<br>23<br>24<br>25                               |  |          |          | -        | 1—   | ⊢        | -            | -            | Н        |
| <u> </u> | 26   | ├  |          | _        | ┢        | <del> </del>                                     | ⊢        | ├            | -            | Н        |
|          | 27   | $\vdash$   | $\vdash$ | -        | $\vdash$ |  | $\vdash$ | -            | ├─           | Н        |
|          | 27<br>28<br>29                                     | -  | ⊢        |          | _        |  | $\vdash$ | $\vdash$     | ⊢            | Н        |
|          | 20   | $\vdash$   |          |          | ⊢        |  | $\vdash$ | <del> </del> | $\vdash$     | Н        |
|          | 30   | -  | ┢─       | $\vdash$ | -        | $\vdash$   |          | -            |              | Н        |
|          | 30<br>31   | <del>                                     </del> | $\vdash$ | $\vdash$ | ┢        | $\vdash$   | -        | $\vdash$     | $\vdash$     | Н        |
| $\vdash$ | 32   | -  | $\vdash$ | $\vdash$ | $\vdash$ | <del>                                     </del> | _        | $\vdash$     | <del> </del> | Н        |
| $\vdash$ | 32<br>33   |  | ╁        | $\vdash$ | $\vdash$ | -  | $\vdash$ | $\vdash$     | -            | Н        |
| $\vdash$ | 34   | $\vdash$   | $\vdash$ | ┢        | -        | <del> </del>                                     | $\vdash$ | $\vdash$     | $\vdash$     | Н        |
|          | 35   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$ | Ι-           | -            | Н        |
|          | 36   | 一  | $\vdash$ | $\vdash$ | $\vdash$ | <del>                                     </del> | $\vdash$ | $\vdash$     | $\vdash$     | Н        |
|          | 37   |  | _        | -        | _        | $\vdash$   | $\vdash$ |              | $\vdash$     | Н        |
|          | 38   |  |          |          | T        | H  | $\vdash$ |              | T            | H        |
|          | 39   |  |          | Г        | $\vdash$ | Г  | $\vdash$ |              |              | Н        |
|          | 40   |  |          | Г        | Γ        | Ι  |          |              |              | П        |
|          | 41   |  |          |          |          | Г  |          |              |              | П        |
|          | 42   |  |          |          |          |  |          |              |              |          |
|          | 43   |  |          |          |          |  |          |              |              |          |
|          | 44   |  |          |          |          |  |          |              |              |          |
|          | 45   |  |          |          |          |  |          |              |              |          |
|          | 46   |  |          |          |          |  |          |              |              |          |
|          | 47   |  |          |          |          |  |          |              |              |          |
|          | 48   |  |          |          |          |  |          |              |              |          |
|          | 49   |  |          |          |          |  |          |              |              |          |
|          | 50   |  | · _      |          |          |  |          |              |              |          |

| Claim            | Γ  |              | _  | Date   | <u> </u>   |  |  |  | 1 1      | Cla      | im       |                 |          |          | 1    | Date   |  |  |          | $\neg$   |
|------------------|--|--------------|--|--|--|--|--|--|----------|----------|----------|-----------------|----------|----------|------|--|--|--|----------|----------|
| 1                |  | 1            | <b>-</b>   | Jan  | Ĭ  |  |  | _  | 1        | - 012    |          |                 | $\neg$   | _        |      | امد  | <u> </u>   | Г  |          | 一        |
| Original         | <b>p</b> -/12/21                                 |              |  |  |  |  |  |  |          | <u> </u> | Original |                 |          |          |      |  |  |  |          |          |
| rigina           | 12   |              |  |  |  |  |  |  | ŀ        | Final    | rig      |                 |          |          |      |  |  |  |          | ıl       |
| 0                | $\frac{1}{2}$                                    |              |  |  |  |  |  |  |          |          | 0        |                 |          |          |      |  |  | 1  |          | ıl       |
| 1                | =  | Т            |  |  |  |  |  |  | 1        |          | 51       | П               | $\neg$   |          |      |  |  |  |          | П        |
| 2                | Y  |              |  |  |  |  |  |  | 1        |          | 52       |                 |          |          |      |  |  |  |          | П        |
| 3                |  |              |  |  |  |  |  |  |          |          | 53       |                 |          |          |      |  |  |  |          |          |
| 2<br>3<br>4<br>5 |  | T            |  |  |  |  |  |  | 1        | -        | 54       | П               |          |          |      |  |  |  |          | П        |
| 5                |  |              | $\vdash$   | Г  |  |  |  |  | 1        |          | 55       | П               | ╗        |          |      |  |  | Т  | $\Box$   | П        |
| 6                | $\Pi$  | $\top$       | $\vdash$   | $\vdash$   | T  |  | Т  |  | 1 1      |          | 56       | П               | コ        |          |      |  |  | <b>-</b>   |          | П        |
| 6<br>7           |  | T            |  | Г  | Г  | $\vdash$   | Т  | Г  | 1        |          | 57       | П               | 寸        |          |      | $\vdash$   | _  |  |          | П        |
| 8                |  |              |  |  |  |  |  |  |          |          | 58       |                 |          |          |      |  |  |  |          |          |
| 9                | <u> </u>   |              |  |  |  |  |  |  |          |          | 59       |                 | T        | T        | _    | Ħ  |  |  |          |          |
| 10               |  |              |  |  |  |  | -  |  | 1 1      |          | 60       |                 |          |          | 9-11 | (F. 1)   | 1  |  | 2 111    |          |
| 11               |  |              | <b>-</b>   | -  | T  |  | Т  |  | 1 1      |          | 61       | П               |          |          |      |  |  | $\vdash$   | П        | П        |
| 12               |  |              | -  |  |  | _  | _  | ┪  | 1 1      |          | 62       |                 |          |          |      |  | _  | Т  |          | Н        |
| 13               |  | 1            |  |  | T  |  | -  | _  | 1        |          | 63       |                 | ヿ        | _        |      |  | <u> </u>   | ┪  |          | П        |
| 14               |  | T            | T  |  | Т  |  | ┰  | Т  | 1        |          | 64       |                 |          |          |      | T  | <b>†</b>   | <del>                                     </del> | H        | П        |
| 15               |  | $\vdash$     |  |  |  |  |  |  | 1        |          | 65       | Н               | _        |          |      | $\vdash$   |  |  | Н        | П        |
| 16               |  | 1            | T .  | t  |  |  |  |  | 1        |          | 66       |                 |          |          |      | <del>                                     </del> | 1  |  | Н        | Н        |
| 17               |  |              |  |  |  | Г  |  |  | 1        |          | 67       |                 | _        |          |      |  |  | T  | Н        | П        |
| 18               |  | ✝            | <del>                                     </del> |  |  | $\vdash$   | $\vdash$   |  | 1        |          | 68       |                 | $\dashv$ | _        |      | $\vdash$   | $\vdash$   | <del>                                     </del> | Н        | Н        |
| 19               |  | t            |  |  |  | -  | _  | <u> </u>   | 1        |          | 69       |                 | _        |          |      |  | T  | $\vdash$   | Н        | Н        |
| 20               | $\vdash$   | $t^-$        | 1  |  |  | -  | ┰  | $\vdash$   | 1        |          | 70       |                 |          |          | _    |  | ┢  |  | Н        | П        |
| 20<br>21<br>22   |  | +-           |  |  | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | 1        |          | 71       | Н               | $\dashv$ | $\dashv$ | _    |  | -  |  | -        | Н        |
| 22               | <del>                                     </del> | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | ┝  | -  | $\vdash$   | 1        |          | 72       | Н               | $\dashv$ |          |      | <del>                                     </del> | ╁  | $\vdash$   | Н        | Н        |
| 23               |  | +-           |  |  | $\vdash$   | $\vdash$   | $\vdash$   |  | 1 1      | -        | 73       | Н               | -        | _        | _    | $\vdash$   | $\vdash$   | $\vdash$   | Н        | Н        |
| 24               |  | $\vdash$     | $\vdash$   |  | $\vdash$   | -  | -  | <del>                                     </del> | 1 1      |          | 74       | H               | _        | _        |      | _  | 1  | $\vdash$   | Н        | Н        |
| 25               | <del> </del>                                     | 1            |  |  |  | -  | -  | -  | 1 1      |          | 75       | Н               | $\dashv$ | _        | _    |  | $\vdash$   |  | Н        | П        |
| 26               | <del> </del>                                     | 1            |  |  |  | -  |  | _  | 1        |          | 76       | Н               | $\dashv$ | $\dashv$ | _    | _  | $\vdash$   |  | Н        | Н        |
| 27               | $\vdash$   | $\vdash$     |  |  |  | -  | <del>                                     </del> | H  | 1        |          | 77       | Н               | $\dashv$ |          |      |  |  |  | Н        | Н        |
| 28               |  | $\vdash$     |  |  |  |  | $\vdash$   | ╁  | 1 1      |          | 78       | Н               |          | 寸        |      | $\vdash$   | _  |  | $\vdash$ | Н        |
| 28<br>29         | $\vdash$   | <del> </del> | -  | -  |  |  | ┢  | H  | 1 1      |          | 79       | $\vdash$        | 寸        | $\dashv$ | _    | $\vdash$   | ┢  |  | $\vdash$ | М        |
| 30               | <del>-   -</del>                                 | $\vdash$     | ┢═   | $\vdash$   |  |  | -  | H  | 1 1      |          | 80       |                 | -        |          |      | -  | ╁╌   | -  | Н        | $\vdash$ |
| 31               |  | ╁            | _  | $\vdash$   |  |  | ┢  | H  | 1 1      |          | 81       | -               | -+       | _        |      | <u> </u>   | -  | -  | H        | П        |
| 32               |  | ┰            | ┢  |  |  | _  | $\vdash$   | $\vdash$   | 1 1      |          | 81<br>82 | $\vdash$        | $\dashv$ | $\dashv$ |      | <del> </del>                                     | $\vdash$   | -  |          |          |
| 33               |  | $\vdash$     | $\vdash$   |  | $\vdash$   | -  | -  | $\vdash$   | 1 1      |          | 83       | $\dashv$        | $\dashv$ | ᅥ        | _    | $\vdash$   | -  | -  |          |          |
| 34               | $\vdash$   | $t^-$        | -  |  |  |  |  | <del>                                     </del> | 1 1      |          | 84       | $\vdash$        | -        | $\dashv$ | -    | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ |
| 35               | $\vdash$   | +            | $\vdash$   | H  | H  | -  | <del>                                     </del> | $\vdash$   |          |          | 85       | $\vdash$        | $\dashv$ | $\dashv$ |      | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ |
| 36               | H  | $\vdash$     |  | <del>                                     </del> | -  | -  | $\vdash$   | $\vdash$   |          | $\dashv$ | 86       |                 |          | ᅱ        |      |  | <u> </u>   | $\vdash$   | $\vdash$ | $\vdash$ |
| 37               |  | +            |  | $\vdash$   | $\vdash$   |  | $\vdash$   | $\vdash$   | 1 1      |          | 87       | $\vdash$        | $\dashv$ | $\dashv$ | _    |  | $\vdash$   |  | $\vdash$ | $\sqcap$ |
| 38               | -  | $\vdash$     |  | H  | $\vdash$   |  | $\vdash$   | $\vdash$   | 1 1      | -        | 88       | $\vdash$        | $\dashv$ | $\dashv$ | _    | H  | <del>                                     </del> | <del>                                     </del> | H        | $\vdash$ |
| 39               | -  | +            | $\vdash$   | $\vdash$   | $\vdash$   |  | ┢  | $\vdash$   | 1 }      |          | 89       | $\vdash$        | -        | +        | _    |  | $\vdash$   |  | $\vdash$ | $\dashv$ |
| 40               | $\vdash$   | +            | $\vdash$   | <del> </del>                                     | $\vdash$   | _  | $\vdash$   | $\vdash$   | 1        | $\dashv$ | 90       | $\vdash$        |          | ┪        | _    | $\vdash$   | $\vdash$   |  | $\vdash$ | $\dashv$ |
| 41               | $\vdash\vdash$                                   | t            | $\vdash$   | $\vdash$   |  | _  | $\vdash$   | $\vdash$   |          | -        | 91       | $\vdash$        | $\dashv$ | -        |      | $\vdash$   | $\vdash$   | -  | -        | $\dashv$ |
| 42               | - -  | $\vdash$     | $\vdash$   |  |  |  | $\vdash$   | $\vdash$   |          | $\dashv$ | 92       | $\vdash \vdash$ | +        | $\dashv$ |      | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ |
| 43               |  | $\vdash$     | $\vdash$   | H  | H  | -  | $\vdash$   | $\vdash$   | 1        |          | 93       | $\vdash$        | $\dashv$ | $\dashv$ |      | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | Н        |
| 44               | $\vdash$   | t            |  | Н  | H  | <del>                                     </del> | H  | $\vdash$   | 1 1      |          | 94       |                 | -+       | $\dashv$ | -    | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | 一        |
| 45               | <del>   -</del>                                  | 1            |  | $\vdash$   | $\vdash$   |  | Н  | $\vdash$   | 1 }      |          | 95       | $\vdash$        | $\dashv$ | $\dashv$ | _    | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | 一        |
| 46               | $\vdash \vdash$                                  | 1            | $\vdash$   | $\vdash$   | $\vdash$   |  |  | $\vdash$   |          | $\dashv$ | 96       | $\vdash$        | $\dashv$ | +        | -    | $\vdash$   | $\vdash$   | Н  | $\vdash$ | $\dashv$ |
| 47               | $\vdash \vdash$                                  | 1            | $\vdash$   | $\vdash$   | $\vdash$   |  | $\vdash$   | $\vdash$   |          |          | 97       | $\vdash$        | $\dashv$ | $\dashv$ | -    | $\vdash$   | $\vdash$   | Н  | $\dashv$ | $\dashv$ |
| 48               | $\vdash$   | +-           | $\vdash$   | Н  | $\vdash$   |  | $\vdash$   | $\vdash$   | <b> </b> |          | 98       | $\vdash$        | $\dashv$ | $\dashv$ | -    | $\vdash$   | $\vdash$   | -  | -        | $\dashv$ |
| 49               | $\vdash$   | $\vdash$     | $\vdash$   | Н  | Н  | _  | $\vdash$   | $\vdash$   | {        |          | 99       | $\vdash$        | +        | ┥        | -    | $\vdash$   | -  | $\vdash$   | $\dashv$ | $\dashv$ |
| 50               | <del>                                     </del> |              | Н  | Н  | Н  | _  | $\vdash$   | $\vdash$   |          |          | 100      | $\dashv$        | $\dashv$ | ┪        | -    | $\vdash$   | $\vdash$   | $\vdash$   |          | $\dashv$ |
| 1 30             | ш_   |              | !  | ш  | ш  |  |  | Щ.   | j l      |          | 100      | Ш               |          |          |      |  | Щ.   | ш  |          |          |

|                   | LL   |          |   |          |              |          | •        |          |  |  |
|-------------------|--|----------|---|----------|--------------|----------|----------|----------|--|--|
| Claim             | Date   |          |   |          |              |          |          |          |  |  |
| Final<br>Original |  |          |   | !        |              |          |          |          |  |  |
| 101               |  |          |   |          |              |          |          |          |  |  |
| 102               |  |          |   |          |              |          |          |          |  |  |
| 103               |  |          |   | _        |              |          |          |          |  |  |
| 104               | $\vdash$   | Ш        | _ | _        |              | _        | _        |          |  |  |
| 105               | $\vdash$   | _        |   | _        |              |          | _        |          |  |  |
| 106<br>107        | $\vdash\vdash$                                   | _        | _ | H        | _            |          | $\vdash$ | -        |  |  |
| 108               |  |          |   |          |              | _        |          |          |  |  |
| 109               |  | 0        |   |          | _            | -        | -        |          |  |  |
| 110               |  | $\vdash$ | _ | $\vdash$ |              |          |          | Н        |  |  |
| 111               |  | Н        |   |          |              |          |          | П        |  |  |
| 112               |  | $\Box$   |   | Г        | Г            |          | П        | М        |  |  |
| 113               |  |          |   |          |              |          |          |          |  |  |
| 114               |  |          |   |          |              |          |          |          |  |  |
| 115               |  |          |   |          |              |          |          |          |  |  |
| 116               |  |          |   |          |              |          |          |          |  |  |
| 117               |  | n a m    |   |          |              |          |          |          |  |  |
| 118<br>119        | <u> </u>   |          |   |          | <u> </u>     |          | _        | Ш        |  |  |
| 119               | $\vdash$   |          |   | ļ        | <u> </u>     | _        |          |          |  |  |
| 120               |  | <u> </u> |   | <u> </u> | _            | <u> </u> | _        | Н        |  |  |
| 121<br>122        |  | _        |   | -        | <u> </u>     | ┝        |          | Н        |  |  |
| 123               | <del>                                     </del> | -        |   | -        | <u> </u>     |          |          | Н        |  |  |
| 123               |  | $\vdash$ |   |          | <del> </del> |          |          | Н        |  |  |
| 124<br>125        |  | -        | _ | _        |              | $\vdash$ |          | Н        |  |  |
| 126               |  | _        | _ | -        | -            | -        |          | Н        |  |  |
| 127               | 1 1 -  |          |   | _        | $\vdash$     |          |          | Н        |  |  |
| 127<br>128        |  |          |   |          | _            |          |          | П        |  |  |
| 129               |  |          |   |          |              |          |          |          |  |  |
| 129<br>130        |  |          |   |          |              |          |          |          |  |  |
| 131               |  |          |   |          |              |          |          |          |  |  |
| 132               |  |          |   |          |              |          |          |          |  |  |
| 133               | <u> </u>   |          |   | L        |              |          |          |          |  |  |
| 134               |  |          |   |          |              |          |          |          |  |  |
| 135               |  | Щ        |   | _        |              |          |          | Ш        |  |  |
| 136               |  |          |   |          |              |          |          | Щ        |  |  |
| 137<br>138        | <del></del>                                      | Н        | _ |          |              |          |          | Н        |  |  |
| 138               |  | Н        | _ |          |              | _        | _        | -        |  |  |
| 140               | <del>                                     </del> | $\vdash$ |   |          | _            |          | _        | Н        |  |  |
| 141               | $\vdash$   | H        | - | Ι        | -            |          |          | $\vdash$ |  |  |
| 142               |  | Н        | _ | $\vdash$ |              | $\vdash$ | -        | $\dashv$ |  |  |
| 143               |  | П        |   |          |              |          |          |          |  |  |
| 144               |  |          |   |          |              |          |          |          |  |  |
| 145               |  |          |   |          |              |          |          |          |  |  |
| 146               |  |          |   |          |              |          |          |          |  |  |
| 147               |  |          |   |          |              |          |          |          |  |  |
| 148               | $\Box$   | Ш        | _ |          |              | Ш        |          | Ш        |  |  |
| 149               | $\Box$   | $\sqcup$ |   | Щ        |              |          |          |          |  |  |
| 150               |  | Ш        |   |          |              |          |          |          |  |  |